Dart Aerospace Ltd.

Date: Wednesday, 3/14/2007 12:22:14 PM
User: Kim Johnston

Split

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: SHOULDER HARNESS KIT
Job Number	: 31173-2		
Estimate Number	: 12539		
P.O. Number	: N/A	Part Number	: DSI9351011
This Issue	: 3/14/2007 S.O. No. : N/A	Drawing Number	: DSI9351 REV A
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: N/A Type : SMALL /MED FAB	Drawing Revision	: A
Previous Run	: 31159	Material	: N/A
Written By	:	Due Date	: 3/21/2007 Qty: ~~20~~ 15 14 Um: Each
Checked & Approved By	: 07.03.14		
Comment	: Est RevA New Issue 06-09-27 JLM		

Additional Product

Job Number:

Seq. #:	Machine Or Operation:	Description :	
1.0	DC	DOCUMENT CONTROL	(20)
	Comment: Photocopy bluefile & type labels per PPPDSI9351	CHG001	07.03.15
2.0	PACKAGING 1	PACKAGING RESOURCE #1	PTO
	Comment: PACKAGING RESOURCE #1 Pick Packing Kit		~~mf 07-03-16~~ (5)
3.0	D355111	HOOK AND LOOP TIE	
X	Comment: Qty.: 13.0000 Each(s)/Unit Total : 260.0000 Each(s) HOOK AND LOOP TIE Batch: ~~P31217~~ x 65 mx P31217-		07/04/10 ~~mf 07-03-15~~
4.0	D35461	CLIP	
X	Comment: Qty.: 2.0000 Each(s)/Unit Total : 40.0000 Each(s) CLIP Batch: ~~B 29766~~ 10 - B 31216 28 X		
5.0	MS24694S154	SCREW	
X	Comment: Qty.: 2.0000 Each(s)/Unit Total : 40.0000 Each(s) SCREW Batch: ~~M103092~~ 10 - B 103926 28 X		7/4/11 SA ~~mf 07-03-15~~

[redacted] Aerospace Ltd

W/O:	WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
07.03.19	2.0	Qty of 5 on original & Qty 15 remain to complete on this W/O	[signature]	07.03.19	15	[signature] 07.03.19	[signature] 07.03.19

Part No: ________ PAR #: ______ Fault Category: ________ NCR: Yes (No) DQA: [signature] Date: 07/04/19

QA: N/C Closed: _____ Date: ________

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SHOULDER HARNESS KIT

Job Number: 31173

Part Number: DSI9351011

Job Number:

Seq. #:	Machine Or Operation:	Description :
6.0	QC4	INSPECT 100% KITS FOR COMPLETENESS

Comment: INSPECT 100% KITS FOR COMPLETENESS

7.0	PACKAGING 1	PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1
Identify and pack for shipping as per PPP Dsi9351
Location:____________
PPP Rev:____________

8.0	QC21	FINAL INSPECTION/W/O RELEASE

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
LE	LE	
CHECKED	APPROVED	DRAWING NO. DSI 9351 — REV. A — SHEET 1 OF 1
DATE 06.09.15		TITLE SHOULDER HARNESS KIT — SCALE NTS

REV	DATE	DESCRIPTION
A	06.09.15	NEW ISSUE

DART

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV A, B OR C

REF. CANADIAN STC SH04-7
REF. FAA STC SR01997NY

TO IMPROVE THE FIT AND VISUAL IDENTIFICATION OF SHOULDER HARNESS SETS, DSI 9351-011/-013/-015 SHOULDER HARNESS UPGRADE KITS ARE AVAILABLE FOR THE D412-702-011/-021/-013/-023/-015/-025/-017/-027 AND D214-702-035 SHOULDER HARNESS KITS AT CHANGE 1. INSTALLATION OF THESE KITS IS OPTIONAL.

FOR DSI 9351-011/-013 KITS, FOLLOW STEPS 1 AND 2. FOR DSI 9351-015/-017 KITS, FOLLOW STEP 2:

1) REMOVE THE MS24694-S152 SCREWS FROM THE D3196-1 BAR ON THE CENTRAL PANEL. RE-INSTALL THE D3196-1 BAR WITH D3546-1 CLIPS USING MS24694-S154 SCREWS AS SHOWN IN FIGURE 1. ENSURE THAT THE SHOULDER BELTS ARE LOOPED THROUGH THE CLIP AS SHOWN IN DETAIL 'A'. TORQUE SCREWS TO 100-140 in-lbs (11.3-15.8 N-m). IT IS ACCEPTABLE TO USE LONGER MS24694-SXXX SCREWS AS REQUIRED TO ENSURE THAT THE D3196-1 BAR IS PROPERLY SECURED.

2) INSTALL THE D3551-11 HOOK AND LOOP TIES THROUGH THE FRONT LOOPS OF EACH SET OF SHOULDER BELTS. INSTALLATION ON THE 4-MAN AFT FACING BENCH IS AT THE DISCRETION OF THE INSTALLER. ENSURE THAT THE 'LOOP' SIDES OF THE TIES ARE FACING OUTWARD FOR PASSENGER COMFORT. TIGHTEN OR LOOSEN THE TIES AS NEEDED (TRIMMING IS ACCEPTABLE).

QTY -011	QTY -013	QTY -015	QTY -017	P/N	DESCRIPTION	INSTALLS ON:
X				DSI 9351-011	13-MAN UPGRADE KIT	D412-702-011/-021
-	X			DSI 9351-013	5-MAN UPGRADE KIT	D412-702-013/-023
		X		DSI 9351-015	5-MAN UPGRADE KIT	D214-702-035
			X	DSI 9351-017	4-MAN UPGRADE KIT	D412-702-015/-017/-025/-027
13	5	5	4	D3551-11	HOOK AND LOOP TIE	X
2	2			D3546-1	CLIP	X
2	2			MS24694-S154	SCREW	X

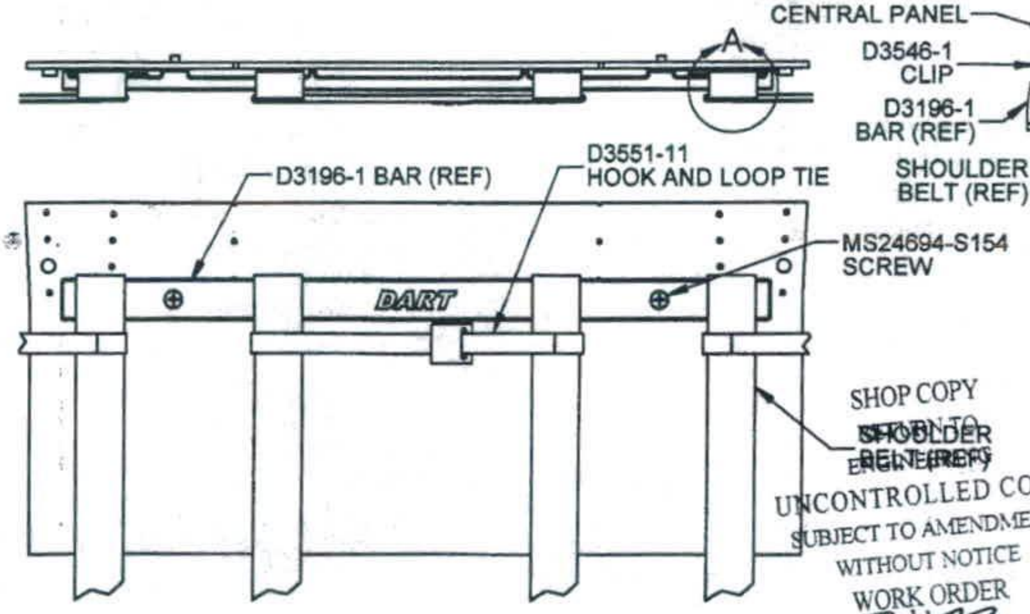
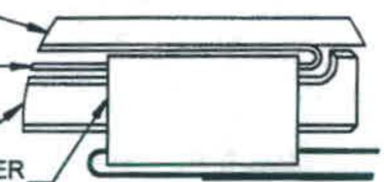


FIGURE 1. KIT INSTALLATION ON CENTRAL PANEL



DETAIL A
SCALE 4:1

SHOP COPY
RETURN TO ENGINEERING

UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 31173

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: D. SHEPHERD (DE # 02)

DATE: 06.09.15
CERT. NO.: SH04-7
ISSUE NO.: 3